



Poly Studio R30

Parameter Reference Guide

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Before You Begin

This guide lists the available configuration parameters for provisioning your Poly Studio R30 USB video bar.

Audience, Purpose, and Required Skills

This guide is written for a technical audience, especially for the administrators operating Poly Lens and FTPS/HTTPS provisioning.

Related Poly and Partner Resources

See the following sites for information related to this product.

- [Poly Support](#) is the entry point to online product, service, and solution support information. Find product-specific information such as Knowledge Base articles, Support Videos, Guide & Manuals, and Software Releases on the Products page, download software for desktop and mobile platforms from Downloads & Apps, and access additional services.
- The [Poly Documentation Library](#) provides support documentation for active products, services, and solutions. The documentation displays in responsive HTML5 format so that you can easily access and view installation, configuration, or administration content from any online device.
- The [Poly Community](#) provides access to the latest developer and support information. Create an account to access Poly support personnel and participate in developer and support forums. You can find the latest information on hardware, software, and partner solutions topics, share ideas, and solve problems with your colleagues.
- The [Poly Partner Network](#) is a program where resellers, distributors, solutions providers, and unified communications providers deliver high-value business solutions that meet critical customer needs, making it easy for you to communicate face-to-face using the applications and devices you use every day.
- [Poly Services](#) help your business succeed and get the most out of your investment through the benefits of collaboration. Enhance collaboration for your employees by accessing Poly service solutions, including Support Services, Managed Services, Professional Services, and Training Services.
- With [Poly+](#) you get exclusive premium features, insights and management tools necessary to keep employee devices up, running, and ready for action.
- [Poly Lens](#) enables better collaboration for every user in every workspace. It is designed to spotlight the health and efficiency of your spaces and devices by providing actionable insights and simplifying device management.

Privacy Policy

Poly products and services process customer data in a manner consistent with the [Poly Privacy Policy](#). Please direct comments or questions to privacy@poly.com.

Getting Started

You can configure, manage, and monitor your Poly Studio R30 system using parameters in Poly Lens or your own FTPS/HTTPS server.

Understanding Parameter Lists

The following information describes the general convention for parameter list details. Parameter details vary depending on the complexity of the parameter.

parameter . name

A parameter's description, applicability, or dependencies.

The parameter's permitted values, default value, and the value's unit of measure (such as seconds, Hz, or dB).

A note that highlights critical information you need to know.

Note: Some parameters use check boxes as value options on the provisioning server's web interface, where selected check boxes indicate true and cleared check boxes indicate false.

Enable FTPS or HTTPS Provisioning

Poly Studio R30 supports FTPS or HTTPS provisioning.

Poly recommends that you use Poly provisioning services for better performance, but you can use simple FTPS or HTTPS provisioning as well.

Note: Poly Studio R30 only supports FTPS servers that don't reuse the TLS/SSL session for data connection. Make sure that your server settings are correct if the connection to your FTPS server fails.

Task

1 Download both provisioning templates from the [Poly Support](#).

2 Rename the files to replace SN with your serial number.

The correct file names are `<Serial_Number>.cfg` and `<Serial_Number>-provisioning.cfg`.

3 In `<Serial_Number>.cfg`, edit the `CONFIG_FILES` line as `CONFIG_FILES="<Serial_Number>-provisioning.cfg"` and save.

4 Edit the parameters in `<Serial_Number>-provisioning.cfg` as you need and save.

The order of the parameters in the provisioning file matches the order that the parameters get deployed in. When conflicted, the earlier-provisioned parameter takes priority except for specified cases.

Important: Make sure you follow the spelling of the value options. All the values are case-sensitive.

5 Put both files in the root folder of the FTPS or HTTPS server.

General Settings

This section describes available configuration parameters for general settings (for example, system name and bluetooth). Included are permitted values and, if applicable, guidance for configuring related parameters.

device.local.country

Specifies the country where the system is located.

Not set (default)

Global

Afghanistan

Albania

Algeria

American Samoa

Andorra

Angola

Anguilla

Antarctica

Antigua

Argentina

Armenia

Aruba

Ascension Islands

Australia

Australian Ext. Territories

Austria

Azerbaijan

Bahamas

Bahrain

Bangladesh

Barbados

Barbuda

Belarus

Belgium

Belize

Benin Republic

Bermuda

Bhutan

Bolivia

Bosnia and Herzegovina

Botswana
Brazil
British Virgin Islands
British Indian Ocean Territory
Brunei
Bulgaria
Burkina Faso
Burma (Myanmar)
Burundi
Cambodia
Cameroon United Republic
Canada
Cape Verde Island
Cayman Islands
Central African Republic
Chad Republic
Chile
China
Christmas Island
Cocos Islands
Colombia
Comoros
Congo
Congo Democratic Republic
Cook Islands
Costa Rica
Croatia
Cuba
Curacao
Cyprus
Czech Republic
Denmark
Diego Garcia
Djibouti
Dominica
Dominican Republic
Easter Island
East Timor

Ecuador
Egypt
El Salvador
Equatorial Guinea
Eritrea
Estonia
Ethiopia
Faeroe Islands
Falkland Islands
Fiji Islands
Finland
France
French Antilles
French Guiana
French Polynesia
French Southern and Antarctic Lands
Gabon
Gambia
Georgia
Germany
Ghana
Gibraltar
Greece
Greenland
Grenada
Guadeloupe
Guam
Guantanamo Bay
Guatemala
Guinea
Guernsey
Guinea-Bissau
Guyana
Haiti
Honduras
Hong Kong
Hungary
Iceland

India
Indonesia
Inmarsat (Atlantic Ocean West)
Inmarsat (Atlantic Ocean East)
Inmarsat (Indian Ocean)
Inmarsat (Pacific Ocean)
Inmarsat (SNAC)
Iran
Iraq
Ireland
Israel
Italy
Ivory Coast
Jamaica
Japan
Jersey
Jordan
Kazakhstan
Kenya
Kiribati
Korea North
Korea South
Kosovo
Kuwait
Kyrgyzstan
Laos
Latvia
Lebanon
Lesotho
Liberia
Libya
Liechtenstein
Lithuania
Luxembourg
Macao
Macedonia
Madagascar
Malawi

Malaysia
Maldives
Mali
Malta
Man, Isle of
Mariana Islands
Marshall Islands
Martinique
Mauritania
Mauritius
Mayotte Island
Mexico
Micronesia
Midway Island
Moldova
Monaco
Mongolia
Montenegro
Montserrat
Morocco
Mozambique
Myanmar (Burma)
Namibia
Nauru
Nepal
Netherlands
Netherlands Antilles
Nevis
New Caledonia
New Zealand
Nicaragua
Niger
Nigeria
Niue
Norfolk Island
Norway
Oman
Pakistan

Palau
Palestine
Panama
Papua New Guinea
Paraguay
Peru
Philippines
Pitcairn
Poland
Portugal
Puerto Rico
Qatar
Reunion Island
Romania
Russia
Rwanda
St Helena
St Kitts
St Lucia
St Pierre and Miquelon
St Vincent
San Marino
Sao Tome and Principe
Saudi Arabia
Senegal
Serbia
Seychelles
Sierra Leone
Singapore
Slovakia
Slovenia
Solomon Islands
Somalia Republic
South Africa
Spain
Sri Lanka
Sudan
Suriname

Swaziland
Sweden
Switzerland
Syria
Taiwan
Tajikistan
Tanzania
Thailand
Togo
Tonga
Trinidad and Tobago
Tunisia
Turkey
Turkmenistan
Turks and Caicos
Tuvalu
Uganda
Ukraine
United Arab Emirates
United Kingdom
United States
Uruguay
US Minor Outlying Islands
US Virgin Islands
Uzbekistan
Vanuatu
Vatican City
Venezuela
Vietnam
Wake Island
Wallis And Futuna Islands
Western Samoa
Yemen
Zambia
Zanzibar
Zimbabwe

device.local.deviceName

Specifies the device name. Bluetooth uses the same identifier.

String (0 to 40)

Poly Studio R30 (default)

bluetooth.enable

Specifies whether to enable Bluetooth functions.

true (default)

false

bluetooth.ble.enable

Specifies whether to enable the Bluetooth remote control.

true (default)

false

bluetooth.autoConnection

Specifies whether to automatically connect to the paired Bluetooth devices.

true (default)

false

device.local.ntpServer.address.1

Specifies the time server IP address. It applies when the mode is set to Manual.

String (0 to 255)

device.local.ntpServer.mode

Specifies the time server mode.

auto (default)

manual

device.syslog.enable

Specifies whether to send log information to the log server.

true

false (default)

device.syslog.serverName

Specifies the URL where to upload the log information.

String (0 to 255)

device.syslog.interval

Specifies (in seconds) how often the system sends logs to the log server.

Integer (1 to 4000000)

18000 (default)

If this parameter isn't set, the device doesn't upload the system logs.

Network Settings

This section describes available configuration parameters for network settings. Included are permitted values and, if applicable, guidance for configuring related parameters.

device.wifi.autoConnect

Specifies whether to connect to the saved Wi-Fi network automatically when it's available.

true (default)

false

device.wifi.dhcp.enable

Specifies whether to use DHCP server to obtain the IP settings automatically for your system Wi-Fi network.

If you set "true", make sure you have a DHCP server in your environment.

true

false (default)

device.wifi.dns.server.1

If the system doesn't automatically obtain a DNS server address, enter one here.

If `device.wifi.dhcp.enable="true"`, this doesn't apply.

String (0 to 40)

device.wifi.dns.server.2

If the system doesn't automatically obtain a DNS server address, enter one here.

If `device.wifi.dhcp.enable="true"`, this doesn't apply.

String (0 to 40)

device.wifi.dot1x.anonymousIdentity

Specify an anonymous identity used for 802.1x authentication.

String (0 to 40)

device.wifi.dot1x.identity

Specifies the system's identity used for 802.1x authentication.

String (0 to 40)

device.wifi.dot1x.password

Specifies the system's password used for authentication.

String (0 to 40)

device.wifi.dot1xEAP.EAP.method

Specifies the extensible authentication protocol (EAP) for WPA-Enterprise (802.1xEAP).

Set this if `device.wifi.securityType="802_1xEAP"`.

PEAP (default)

TLS

TTLS

PWD

device.wifi.dot1xEAP.phase2Auth

Specifies the Phase 2 authentication method.

Set this if `device.wifi.securityType="802_1xEAP"`.

NONE (default)

MSCHAPV2

GTC

device.wifi.ipAddress

Specifies the system IPv4 address.

If `device.wifi.dhcp.enable="true"`, this doesn't apply.

String (0 to 40)

device.wifi.ipGateway

Specifies the IP gateway for the Wi-Fi network.

If `device.wifi.dhcp.enable="true"`, this doesn't apply.

String (0 to 40)

device.wifi.paramOn

Enables all Wi-Fi network parameters.

true

false (default)

device.wifi.securityType

Specifies the Wi-Fi network encryption protocol.

Not set (default)

None

WEP

PSK

EAP

device.wifi.ssid

Specifies the name of the Wi-Fi network you're connecting systems to.

String (0 to 40)

device.wifi.subnetMask

Specifies the subnet mask address for the Wi-Fi network.

If `device.wifi.dhcp.enable="true"`, this doesn't apply.

String (0 to 40)

device.wifi.TLS.CAcert

Specifies whether to authenticate the certificate authority (CA) of the Wi-Fi network.

true

false (default)

device.wifi.TLS.clientCert

Specifies whether to authenticate users who are connecting to this Wi-Fi network.

true

false (default)

Security Settings

This section describes available configuration parameters for security settings. Included are permitted values and, if applicable, guidance for configuring related parameters.

sec.auth.admin.password

Specifies the password required to access the Admin Settings page in Poly Lens Desktop.

String (0 to 32)

Poly12#\$(default)

Note: If you provision a blank password to your device, you can only change the password via provisioning. You can't change the password from the Poly Lens Desktop application unless you reset the device.

sec.auth.admin.password.enable

Specifies whether to require a password to access the Admin Settings page in Poly Lens Desktop.

true

false (default)

sec.auth.simplePassword

Specifies whether to allow a simple password for login.

true

false (default)

sec.server.cert.CAvalidate

Determines whether your system requires a remote server to present a valid certificate when connecting to it for services, such as provisioning.

true

false (default)

Audio Settings

This section describes available configuration parameters for audio settings. Included are permitted values and, if applicable, guidance for configuring related parameters.

voice.acousticBeam.enable

Specifies whether to enable Polycom Acoustic Fence with Beam Shaping and how big is the coverage.

Off (default)

Wide

Narrow

Medium

Camera-View

voice.eq.bass

Adjusts audio equalizer bass level of the speaker.

Integer (-6 to 6)

0 (default)

voice.eq.treble

Adjusts audio equalizer treble output from the speaker.

Integer (-6 to 6)

0 (default)

voice.noiseBlock.enable

Specifies whether to enable NoiseBlockAI to prevent the noise from transmitting to the far end during video conferences.

true (default)

false

voice.noiseBlockAI.enable

Specifies whether to prevent noise from the far end during video conferences.

true

false (default)

Video Settings

This section describes available configuration parameters for video settings including camera settings. Included are permitted values and, if applicable, guidance for configuring related parameters.

conversation_view

Specifies whether to enable the Conversation Mode feature. When enabled, those settings override:
`video.camera.trackingMode="FrameSpeaker", zoom_Level="4", and lecture_mode="false".`

true

false (default)

lecture_mode

Specifies whether to enable the Presenter Mode feature.

This setting only activate when the `video.camera.trackingMode="FrameSpeaker"` and `conversation_view="false"`.

true

false (default)

smooth_transition

Specifies whether to let the camera pan smoothly between speakers or groups.

true

false (default)

video.camera.antiFlicker

Adjusts the power frequency to reduce flicker in the video.

50

60 (default)

video.camera.backlightComp

Specifies whether to enable backlight compensation.

true

false (default)

video.camera.groupViewSize

Specifies the framing size of the camera.

Wide

Medium (default)

Tight

video.camera.imageMirrorFlip

Specifies whether to mirror or flip the video image. For inverted mounting, set the value to `MirrorAndFlip`.

MirrorAndFlip

Disabled (default)

video.camera.osdEnable

Specifies whether to enable the onscreen display (OSD) overlay for video debugging.

true

false (default)

video.camera.trackingMode

Specifies the tracking mode of the camera.

Off

FrameGroup

FrameSpeaker (default)

video.camera.trackingSpeed

Specifies the tracking speed of the camera.

Fast

Normal (default)

Slow

zoom_level

Specifies the maximum zoom ratio when `video.camera.trackingMode` is not `Off`.

2

3

4 (default)

The numbers stand for 2×, 3×, or 4× zoom-in level.

Provisioning and Upgrading Settings

Use the following configuration parameters to provision and upgrade your system. Included are permitted values and, if applicable, guidance for configuring related parameters.

lens.connection.enable

Enables Poly Lens to perform management tasks including configuration synchronization, people count reporting, and remote system reboot. Disable it if you don't want the device to connect with the Poly Lens cloud service.

true (default)

false

prov.heartbeat.interval

Specifies (in seconds) how often the USB video bar sends the heartbeat message to the provisioning server. The default is 10 minutes.

Integer (1 to 65535)

600 (default)

prov.password

Specifies the provisioning server's login password. This setting only applies when `prov.server.mode="manual"`.

String (0 to 255)

prov.polling.period

Specifies, in seconds, how often the USB video bar requests the provisioning file. The default is 24 hours.

Integer (≥ 60)

86400 (default)

prov.server.mode

Specifies the method of provisioning.

Manual

Auto: Gets the provisioning server URL from your DHCP option 66 or 150.

Disable (default)

prov.server.type

Specifies the type of provisioning server. This setting only applies when `prov.server.mode="manual"`.

HTTPS: Uses your own HTTPS server (non-Poly Provisioning Service)

FTPS: Uses your own FTPS server (non-Poly Provisioning Service)

CLOUD (default): Uses a Poly Provisioning Service (Poly Lens).

prov.url

Specifies the URL of the provisioning server. This setting only applies when `prov.server.mode="manual"`.

String (0 to 255)

prov.username

Specifies the provisioning server's login username. This setting only applies when `prov.server.mode="manual"`.

String (0 to 255)

upgrade.auto.enable

Specifies whether to upgrade the firmware via the provisioning server. If set to false, use Poly Lens Desktop to upgrade.

true

false (default)

Support

NEED MORE HELP?

poly.com/support

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